

Memorandum

Date: December 27, 2000
Telephone: ATSS (916) 654-4176
File: Morro Bay

To: William J. Keese, Chairman
Robert Pernell, Commissioner
Michal C. Moore, Ph.D, Commissioner
Robert A. Laurie, Commissioner
Art Rosenfeld, Commissioner

From: California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: MORRO BAY POWER PLANT—REVISED DATA ADEQUACY RECOMMENDATION

At the Business Meeting on December 6, 2000, 8 of 23 areas of the Morro Bay Power Plant (MBPP) Application for Certification (00-AFC-12) were determined to be incomplete. On December 8, 2000, Duke Energy North America provided a supplement titled *Responses to the California Energy Commission's Comments on Data Adequacy for the Morro Bay Power Plant Modernization Project* (Supplement). Upon review of this additional information, we believe that the AFC is now adequate and meets the requirements of Cal. Code of Regs., tit. 20, § 1704, Appendix B. We, therefore, recommend that the Energy Commission find the application adequate.

Attached is a summary table and data adequacy worksheets for the eight technical areas which required additional information. They are: Air Quality, Cultural Resources, Land Use, Traffic and Transportation, Socioeconomics, Transmission System Engineering, Visual Resources, and Water Resources. (See Attachments A and B).

For the AFC to be complete, our regulations also require that the AFC contain all the necessary information required by the local air district to complete a Determination of Compliance with their rules. The San Luis Obispo Air Pollution Control District has informed us that the application is complete for their purposes. (See Attachment C).

In response to the applicant's Supplement, staff received public comments from Mr. Don Boatman in the area of Transmission System Engineering and from Ms. Patti Dunton in the area of Cultural Resources. The Staff believes that the comments can be handled in the discovery phase and do not change the data adequacy recommendation. (See Attachment D).

If you have any questions, please call Kae C. Lewis, Energy Commission's Project Manager, at (916) 654-4176 or by e-mail at klewis@energy.ca.us.

STEVE LARSON
Executive Director

Attachment

cc: Christopher Ellison, Counsel to Applicant
Andrew Trump, Duke Energy North America
Gary Willey, San Luis Obispo Air Pollution Control District
Greg Fuz, Morro Bay Planning and Building Department
Michael Bowen, California Coastal Commission
Michael Multari, Morro Bay National Estuary Program
Yarrow Nelson
Peter Wagner
Henriette Groot, Ph.D
Patti Dunton

ATTACHMENT A

OVERVIEW OF ENERGY COMMISSION STAFF'S DATA ADEQUACY DETERMINATION

Morro Bay Power Project 00-AFC-12

Technical Area	Attachment B PAGE No.	ADEQUATE?	INADEQUATE?
AIR QUALITY	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LAND USE	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRAFFIC AND TRANSPORTATION	8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
VISUAL RESOURCES	11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CULTURAL RESOURCES	16	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SOCIOECONOMICS	19	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WATER RESOURCES	22	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRANSMISSION SYSTEM ENG.	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ATTACHMENT B

**ENERGY COMMISSION STAFF'S
Data Adequacies Worksheets**

**Morro Bay Power Plant Project
00-AFC-12**

December 27, 2000

Adequacy Issue: Adequate **x** Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. **1** Date December 18, 2000
 Technical Staff: Magdy Badr
 Technical Senior: Robert Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 6.2-1 to 6.2-78 Appendixes 6.2-1 to 6.2-8	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Section 6.2 Appendix 6.2 Letter from SLO Air Pollution Control District on 11/28/00 confirmed acceptance of AFC data for DOC process.	Yes	
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Table 6.2-24 Table 6.2-34 Table 6.2-2.4 Pages 6.2-43 and 44	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Page 6.2-6 Appdix 6.2-6	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	No cooling towers are needed. Plant utilizes sea water.	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Appendix 6.2-1	Yes	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Table 6.2-2.3 Table 6.2-1.3 Page 6.2-43	Yes	

Adequacy Issue: Adequate x Inadequate
 Technical Area: Air Quality
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

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 Technical Staff: Magdy Badr
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Table 6.2-37 Page 6.2-59	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Appendix 6.2-2.1 Electronic filing on "CD" Letter sent from SLO Air Pollution Control District on 12/28/00 approved use of meteorological data.	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	Electronic filing on "CD"	Yes	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Figures 6.2-1 to 6.2-4 Pages 6.2-87 to 8.2-112 Electronic filing on "CD"	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			

Adequacy Issue: Adequate **x** Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. **1** Date December 18, 2000
 Technical Staff: Magdy Badr
 Technical Senior: Robert Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Appendix 6.2-5	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Pages 6.2-47 to 6.2-67 Tables 6.2-5 and 6.2-6	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Appendix 6.2-8	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Pages 6.2-5 to 6.2-7	Yes	

Adequacy Issue: Adequate x Inadequate
 Technical Area: Air Quality
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
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 Technical Staff: Magdy Badr
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Pages 6.2-5 to 6.2-7 Table 6.2-53	Yes	
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Pages 6.2-5 to 6.2-7	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.		Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 6.2-21 Pages 6.2-72 to 6.2-79	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.2-16	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.2-21 Pages 6.2-72 to 79	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 6.2-16	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 7.1 Section 7, page 7-107	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Land Use**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Moro Bay Power Plant Project
 Docket:

Revision No. 1 Date November 6, 2000
 Technical Staff: Mark Hamblin
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 6.9-1; Section 6-9; Page 6.9-10; Section 6.9.2; Page 6.1-1 – 6.1.13; Section 6-1; Page 6.9-66 – 6.9-69; Section 6.9.4.3.	Yes	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Page 6.9-10 - 6.9-23; Section 6.9.2.1 – 6.9.2.2	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Page 6.9-11-6.9-23 Section 6.9.2.2	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Page 6.9-61; Section 6.9.4.2 Page 6.9-66; Section 6.9.4.3	Yes	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Page 6.9-30; Section 6.9.3.3.2 Page 6.1-4 – 6.1-9; Section 6.1.4	Yes	
Appendix B (g) (3) (A) (iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Page 6.9-3-6.9-7; Section 6.9 Page 6.9-15-20; Section 6.9.2.2 Page 6.9-33; Section 6.9.3.3.4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Land Use**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Moro Bay Power Plant Project
 Docket: _____

Revision No. 1 Date November 6, 2000
 Technical Staff: Mark Hamblin
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Page 6.9-26-31; Section 6.9.3.3.4 Page 6.9-37-61; Section 6.9.4 Responses To The California Energy Commission's Comments On Data Adequacy Morro Bay Plant Modernization Project, Page 1	NO YES	Discuss how the proposed project is consistent with the policies of the State Coastal Commission Power Plant Siting Study Map (figure 16, page 109).
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Page 6.4-7; Section 6.4.1.2	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Page 6.9-11; Section 6.9.2.2	Yes	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Page 6.4-6-9; Section 6.4.1.2	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Page 6.4-9-15; Section 6.4.2.1	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Page 6.4-9-15; Section 6.4.2.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 6.9-70-108; Table 6.9-3	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Land Use**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Moro Bay Power Plant Project
 Docket: _____

Revision No. 1 Date November 6, 2000
 Technical Staff: Mark Hamblin
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 7-96; Table 7-2	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 6.9-70-108; Table 6.9-3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 7-96; Table 7-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 7-107; Figure 7-1	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Traffic and Transportation
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date 12/18/00
 Technical Staff: James Fore
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 6.11.2 Pages 6.11-28 through 6.11-66 Section 6.11.2.2, Pages 6.11-66 through 6.11-67 Section 6.11.3, Page 6.11.76	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	AFC Figure 6.11-2, Page 6.11-7	Yes	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	AFC Figure 6.11-3, Page 6.11-9	Yes	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000)	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	AFC Section 6.11.2.1.2.3, Section 6.11.2.1.3 and Section 6.11.2.1.4 Pages 6.11-47 through 6.11-84	Yes	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	AFC Table 6.11-2 Page 6.11-20 through 6.11-23 Table 6.11-6 Pages 6.11-54 through 6.11-56	Yes	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	AFC Section 6.11.1.3.4, Page 6.1-14, Section 6.11.2.1.2.3, Pages 6.11-58 through 6.11-59, Section 7.4.11.2.1 Page 7-49	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Traffic and Transportation
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
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Revision No. 1 Date 12/18/00
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Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000)	Yes	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000)	Yes	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	AFC Section 6.1.4, Pages 6.1-4 through 6.1-12	Yes	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	AFC Section 6.11.2.3, Pages 6.11-67 through 6.11-76	Yes	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	AFC Section 6.11.2.1.2.3 Pages 6.11-59 through 6.11-60 and Section 6.15	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC, Section 7.0, Table 7-1, Pages 7-84 through 7-87	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Traffic and Transportation
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
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Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC, Section 7.0, Table 7-1, Pages 7-84 through 7-87	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC, Section 7.4.11, Pages 7-49 through 7-51, Table 7-2, Page 7-97.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC, Section 6.11.5, Page 6.11-71	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC, Section 7.4.11, Table 7-2, Page 7-97	Yes	

Adequacy Issue: Adequate x Inadequate x
 Technical Area: **Visual Resources**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date Dec. 15, 2000
 Technical Staff: Gary Walker
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pp.6.13-1 through 6.13-208. Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000)	No Yes	The cumulative impacts discussion (p.6.13-162) concerns land use impacts, not visual impacts. Please revise the discussion to address the potential for cumulative visual impacts in the project viewshed.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pp.6.13-9 through 6.13-45.	Yes	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 6.13-5 and 6.13-12.	Yes	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Figures 2-7, 2-12, 2-15, 2-19, 6.13-5, and 6.13-7. Pp.2-19 and 6.13-42.	Yes	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pp.6.13-9 through 6.13-45.	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pp.6.13-40 and 6.13-41, Section 6.13.1.9.	Yes	

Adequacy Issue: Adequate x Inadequate x
 Technical Area: **Visual Resources**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

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Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pp.6.13-80 through 6.13-156.	Yes	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Figure 6.13-8; pp.6.13-54, 6.13-57, and 6.13-61. Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000)	No Yes	The AFC (pp.6.12-61 and 6.13-57) states that a 20-foot sound wall is part of the proposed project. Please specify the length of the sound wall. Please specify the material for the sound wall. Please provide a map to scale that shows the proposed location of the sound wall in relation to the other proposed power plant features and in relation to Morro Creek and the Fisherman's Storage Facilities.

Adequacy Issue: Adequate X Inadequate X
 Technical Area: Visual Resources
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date Dec. 15, 2000
 Technical Staff: Gary Walker
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	<p>Pp.6.13-81 through 6.13-157.</p> <p>(At the Business Meeting of Dec. 6, 2000, the Energy Commission agreed that the provision of simulations and assessment of the proposed project during construction phases will be removed from data adequacy conditions and considered during the discovery phase of the AFC process.)</p>	No Yes	<p>The photographic reproductions and simulations are oversized (approximately 14 inches wide). Nevertheless, the panoramic view angle of the photographic reproductions and simulations is such that, as the images note, the proper viewing distance is 8 inches. Staff will request larger copies that can be viewed from a normal reading distance.</p> <p>Please provide simulations of the proposed project during each major phase of construction, from at least two Key Observation Points with the clearest views of construction features.</p>

Adequacy Issue: Adequate X Inadequate X
 Technical Area: Visual Resources
 Project Manager: Kae Lewis

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pp.6.13-70 through 6.13-162. P.2-19. Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000)	No yes	The AFC (p.6.13-58) briefly describes proposed project lighting but does not assess the project's lighting impacts. Please provide such an assessment. Include impacts due to construction lighting. Please provide an assessment of the project's visual impacts due to glare. Please provide an assessment of the visual impacts of the project during construction. Please provide a description and a depiction of the proposed design treatment for the water intake building. The AFC (pp.6.13-58 and 6.13-61) estimates the frequency of visible water vapor plumes due to the project and states that they would be smaller than the plumes from the existing power plant. However, it does not estimate their size and does not assess their visual impacts. Please provide an estimate of the dimensions of the project's visible water vapor plumes. Please provide an assessment of the visual impacts of the project's visible vapor plumes.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 6.13-6 and 6.13-7, pp.6.13-163 through 6.13-176.	Yes	

Adequacy Issue: Adequate X Inadequate X
 Technical Area: Visual Resources
 Project Manager: Kae Lewis

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 6.13-6 and 6.13-7, pp.6.13-163 through 6.13-176.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Tables 6.13-6 and 6.13-7, pp.6.13-163 through 6.13-176.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7-1, pp. 7-98	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable		

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Cultural Resources**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date 11/03/00 12/18/00
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol 1A, p.6.7-1 &6.7-2 Con Appendix 6.7-2 p. 8 AFC Vol 1A, p.6.7-12 AFC Vol 1A, p. 6.7-13 & 14	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol 1A p. 6.7-7 Con Appendix 6.7-2 p. 2&3 AFC Vol 1A , Fig. 6.7-2	Yes	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC Vol 1A p. 6.7-3 & 4 Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000) Con Appendix 6.7-2 & 6.7-3 Con App 6.7-2 & 6.7-3	No Yes	Please conduct and provide a description and the results of an historic literature and records search. Please provide the results of a survey conducted to identify historic resources that may be impacted either directly or indirectly by the project. The survey should describe buildings, structures and features in the vicinity of the project. The discussion should include, but not be limited to the existing Morro Power Plant, the PG&E substation, Morro Rock and Morro Bay Old Town. The person conducting the survey should be qualified in the area of industrial or architectural history. Please provide qualifications of the person or persons conducting the survey (resume).

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Cultural Resources**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date 11/03/00 12/18/00
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 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Con App. 6.7-3 p. 4-17 AFC Vol 1A, p. 6.7-9 to 11 Con App. 6.7-2 & 6.7-3 Responses to the California Energy Commission's Comments on Water Adequacy for MBPP (December 8, 2000)	No Yes	Please submit any site records obtained or generated as a result of the historic literature/records search or survey.
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	AFC Vol 1V, Appendix 6.7-4	Yes	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Vol 1A, p. 6.7-13 to 6.7-14	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol 1A 6.7-16 AFC Vol 1B, p 7-43 to 46 AFC Vol 1B, Table 7-1, p. 7-81 to 83	Yes	

Adequacy Issue: Adequate X Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Kae Lewis

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 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Vol 1B, Table 7-1 p. 7.81 to 83	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol 1B, p. 7-43 to 45	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Vol 1B, Table 7-2 p. 7-96	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol 1A, p. 6.7-15	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Socioeconomics**
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date December 18, 2000
 Technical Staff: Amanda Stennick
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 6.10	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	See below		
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Sections 6.10-1, 6.10.1.2.2 Table 6.10-3 Figure 6.10-1 Responses to the CEC's Comments on Data Adequacy for the MBPP Modernization Project (12/8/00)	No Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Tables 6.10-1, -2, -11	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Tables 6.10-4, -13	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Table 6.10-17	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Tables 6.10-6, -7 Section 6.10.1.2.3	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Socioeconomics**
 Project Manager: Kae Lewis

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 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Sections 6.10.1.2.4 through 6.10.1.2.6 Tables 6.10-8, -9	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	See below		
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Figure 6.10-4 Sections 6.10.2.1 through 6.10.2.2	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Sections 6.10.2, 6.10.2.1.2	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Section 6.10.2.1.2	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Section 6.10.2.1.4	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Sections 6.10.2.1.4 through 6.10.2.2.5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Socioeconomics**
 Project Manager: Kae Lewis

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Section 6.10.2.2.5	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Section 6.10.2	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Section 6.10.2	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Sections 6.10.2.1.8, 6.10.2.2.8 Table 6.10-18, -19, -20	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.4.10 Table 7-2	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.4.10 Table 7-2	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.10.2.2.5 Pages 6.10-41-42	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 6.10-25	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	None identified for Socioeconomics	Yes	

Adequacy Issue: Adequate x Inadequate _____
 Technical Area: Water Resources
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date December 20, 2000
 Technical Staff: Joe O'Hagan
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 2-24 to 2-27; 2-41 to 2-52; 2-55 to 2-59; 6.5-1 to 6.5-95	Yes	
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and			
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Pages 2-24 to 2-27; 2-41 to 2-52; 2-55 to 2-59; 6.5-1 to 6.5-95; Appendix 6.5-1 Responses to the CEC's Comments on Data Adequacy for the MBPP Modernization Project (12/8/00)	Yes	.
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Pages 6.5-20 to 6.5-53; Figures 6.5-4 to 6.5-13; Appendix 6.5-3	Yes	
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Pages 6.5-38 to 6.5-50; 6.14-1 to 6.14-4	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Pages 6.5-20 to 6.5-37; Appendix 6.5-3	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Geologic Resources		
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			

Adequacy Issue: Adequate x Inadequate
 Technical Area: Water Resources
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

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 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Pages 2-24 to 2-27; 2-55 to 2-56; 6.5-1 to 6.5-19	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Pages 6.5-20 to 6.5-37; Responses to the CEC's Comments on Data Adequacy for the MBPP Modernization Project (12/8/00) Pages 6.5-20 to 6.5-37	No Yes	Water quality data for the source and discharge flows.
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Figure 6.5-18; pages 2-57 to 2.58	Yes	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Pages 2-24 to 2-27; 2-55 to 2-56; 6.5-1 to 6.5-19	Yes	
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	See Geologic Resources		
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Geologic Resources		
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Geologic Resources		
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Pages 2-24 to 2-27; 2-55 to 2-56; 6.5-1 to 6.5-19	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Pages 2-24 and 2-27	Yes	

Adequacy Issue: Adequate x Inadequate
 Technical Area: Water Resources
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Geologic Resources		
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 6.5-89 to 6.5-93; Table 7-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 7-1 and 7-2	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 7-1; Pages 6.5-89 to 6.5-93;	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Figure 7-1	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: Transmission System Eng.
 Project Manager: Kae Lewis

DATA ADEQUACY WORKSHEET

Project: Morro Bay Power Plant Project
 Docket: 00-AFC-12

Revision No. 1 Date NovDec. 814, 2000
 Technical Staff: Laiping Ng
 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 2 Page 2-1 Section 2.2.4 Page 2-64 Section 8.4 Page 8-25 Responses to the CEC's Comments on Data Adequacy for the MBPP Modernization Project (12/8/00)	No Yes	Provide the conductor size of the unit connection to the PG&E switchyard.
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		NA	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 2.2.4 Page 2-64 Section 2.2.3 Page 2-52 to 2-54 Section 8.4 Page 8-25 Appendix 6.18-2 Appendix 8.9 Responses to the CEC's Comments on Data Adequacy for the MBPP Modernization Project (12/8/00)	No Yes	The Preliminary Facilities Study was done for 2001. Please provide a Preliminary Facilities Study for 2003. The Study should include: 1) Normal system operation, 2) Important N-1 contingencies, 3) Critical N-2 contingencies. Please provide the power flow study and load flow diagrams that demonstrate conformance or non-conformance with utility reliability and planning criteria for the first year of operation. Please identify the proposed mitigation methods for criteria violations. -

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Transmission System Eng.**
 Project Manager: Kae Lewis

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Project: Morro Bay Power Plant Project
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 Technical Staff: Laiping Ng
 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 8.4 Page 8-25	Yes	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 6.18.1.1 Page 6.18-2	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		NA	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		NA	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		NA	

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: Transmission System Eng.
 Project Manager: Kae Lewis

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 Technical Staff: Laiping Ng
 Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		NA	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		NA	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		NA	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		NA	